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Product datasheet for RC216318L4V

DIAPH1 (NM_005219) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	DIAPH1 (NM_005219) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DIAPH1
Synonyms:	DFNA1; DIA1; DRF1; hDIA1; LFHL1; SCBMS
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005219
ORF Size:	3816 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216318).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_005219.3
RefSeq Size:	5745 bp
RefSeq ORF:	3819 bp
Locus ID:	1729
UniProt ID:	O60610
Cytogenetics:	5q31.3
Domains:	FH2
Protein Families:	Druggable Genome, Stem cell - Pluripotency

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Protein Pathways: Focal adhesion, Regulation of actin cytoskeleton

MW: 141.2 kDa

Gene Summary: This gene is a homolog of the Drosophila diaphanous gene, and has been linked to autosomal dominant, fully penetrant, nonsyndromic sensorineural progressive low-frequency hearing loss. Actin polymerization involves proteins known to interact with diaphanous protein in Drosophila and mouse. It has therefore been speculated that this gene may have a role in the regulation of actin polymerization in hair cells of the inner ear. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]